

# The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

## FIELDHUNTER'S LIST

This is a list of radio amateurs' efforts to chase and collect fields (big squares) according to the Maidenhead Locator System. SM5INC is the keeper of lists of standings of grid fields worked by radio amateurs on VHF. Compiled quarterly since 1982, the list shows the situation on March 31, June 30, September 30 and December 31 at 2400 UTC. This 50 MHz list is from one (VHF) of four sponsored by the Swedish Sending Amateurs. The others are HF (part I and II), and UHF/SHF. Johnny posts on the Internet lists quarterly for each VHF/UHF/SHF amateur band, including 70 MHz and 900 MHz.

The 50 MHz standings as of March 31, 1997 appear below and to the right of this column. In the list, the columns are: Position on list; Callsign; The station's own field; Number of fields worked; and Date last updated.

Readers are reminded that a grid field is a block of 10' latitude by 20' longitude, and is the first two letters of a grid square as determined by the Maidenhead Locator System. A world map showing the 324 fields can be found in "The Radio Amateur's World (Locator) Atlas", that normally should be available at your national amateur radio society.

Please send your info as soon as possible to SM5INC, Johnny Ryden, Rombergsgatan 39, S-745 33 Enköping, SWEDEN. Phone +46-17127883. Packet SM5INC @ SK5BB.#AROS.U.SWE.EU. E-mail: jr@abc.se

### RULES:

1. All fields must have been worked via passive reflectors.
2. All stations involved must be on the earth's surface.
3. QSL cards are not required if you are certain that the other station considers the QSO to have been completed.
4. All QSOs must have been worked from points within a circle of 1000 km radius.
5. There is no starting date for contacts to be eligible.

## Fieldhunter's List

50 MHz Standings as of March 31, 1997

by Johnny Ryden, SM5INC

Rank	Call	Field	Fields	YMM	Rank	Call	Field	Fields	YMM
1	JA1VOK	QM	112	9601	86	YO7VS	KN	29	9611
2	JA6RJK	PM	93	9605	87	PA3GML	JO	28	9507
3	JA6TEW	PM	88	9511		VK3ALM	QF	28	9508
4	WA6BYA	CM	86	9511	89	ES6QB	KO	27	9702
5	PY5CC	GG	82	9503		VE7SKA	CN	27	9608
6	GJ4ICD	IN	76	9608	91	KB6NAN	CM	26	9607
7	W5OZI	EM	74	9405		OZ1IZB	JO	26	9410

8	K5AM	DM	72	9606		VE6XT	DO	26	9607
9	SV1DH	KM	71	9408		VY2KX	FN	26	9702
	WA1OUB	FN	71	9601		Z23JO	KH	26	9608
11	VK4APG	QG	70	9612	96	SM7NNJ	JO	25	9406
	W4DR	FM	70	9602		WB7QBS	CN	25	9609
13	K1TOL	FN	69	9503	98	GJ3RAX	IN	24	9609
	N0LL	EM	69	9408		OZ1IEP	JO	24	9510
	N5JHV	DM	69	9605	100	DL3YEE	JO	23	9504
16	SM7FJE	JO	68	9505	101	DL8EBW	JO	22	9404
	TI2NA	EJ	68	9503		N0HJZ	EN	22	9607
	VK3OT	QF	68	9612		SM4POB	JP	22	9606
19	K0US	EN	67	9405	104	G6MXL	IO	21	9411
	ON4KST	JO	67	9507		GW8FKB	IO	21	9701
21	G3WOS	IO	66	9512		KL7GLL/W4	FM	21	9509
22	G4UPS	IO	65	9610		N5HHS	EL	21	9609
	SM7AED	JO	65	9507		NL7XM	FN	21	9507
24	G4IGO	IO	64	9603	109	ES5MC	KO	20	9702
	PA3BFB	JO	64	9606		OH1AJ	KP	20	9507
	SM7BAE	JO	64	9507		WA9PWP	EN	20	9611
27	DL7AV	JN	62	9610	112	DL3AMA	JO	18	9503
28	K6HH	BL	61	9505		DL5BBL	JO	18	9507
	PAORDY	JO	61	9412		EI7GL	IO	18	9604
	W3EP	FN	61	9601		OH9NYW	KP	18	9701
31	JM1SZY	PM	59	9609	116	ES5DE	KO	17	9702
32	K1GPJ	FN	59	9503	117	ON4FZ	JO	17	9409
	S59A	JN	59	9404		PE1EBJ	JO	17	9603
34	G0JHC	IO	58	9507		PE1OGF	JO	17	9611
	WB8YFE	EN	58	9701		SM5NVF	JO	17	9605
36	W7HAH	DN	57	9610		WB8RUQ	EN	17	9606
	WB4DBB	FM	57	9507	122	DL1EJA	JO	16	9611
38	G3OIL	IO	56	9611		DL7ANR	JO	16	9604
	OZ3ZW	JO	56	9411		ES1CW	KO	16	9702
	WA5IYX	EL	56	9508		ES5RY	KO	16	9702
41	K0TLM	EM	55	9508		G4DCJ	JO	16	9608
	W0KEA	DM	55	9509		G8DCJ	IO	16	9509
	W3ZZ	FM	55	9601		KD4GVW	EM	16	9505
44	I5MXX	JN	53	9701		G4MJS	IO	15	9506
	WA1AYS	FN	53	9408		N7YAP	DN	15	9605
46	G4IFX	IO	52	9510		SM3VEE	JP	15	9610
	PA3FYM	JO	52	9410		SM6MPA	JO	15	9508
	WA2TEO	FN	52	9604		XE1AVM	DK	15	9612
49	DJ3TF	JN	51	9601	134	ES2RJ	KO	14	9702
	KE7CX	CN	51	9605		G8CDW	JO	14	9511
	ZS6WB	KG	51	9405		KB0MJD	DN	14	9602
52	W6YLZ	DM	50	9701		N8ZJN	EM	14	9611
53	PA2TAB	JO	49	9502	138	ES6PZ	KO	13	9702
54	I0CUT	JN	48	9504		K0RZ	DM	13	9501
	PE1LCH	JO	48	9703		N0WVU	DM	13	9607
	WA5QCP	DM	48	9509		WA1ECF	FN	13	9611
57	K6RID	EM	47	9508	142	ES2RW	KO	12	9702
	W3IWU	FN	47	9412		ES5QA	KO	12	9702
	ZL3AAU	RE	47	9508		KO6ET	DM	12	9701
60	G4HBA	IO	46	9502		OH2BNH	KP	12	9407
	K6FV	CM	46	9509	146	LA2TFA	JP	11	9701
62	KY5N	EM	45	9701		SM5INC	JO	11	9403
63	W3OTC	FM	44	9602	148	ES0SM	KO	10	9702
	W9JUV	EN	44	9611		ES1II	KO	10	9702
65	N5BBO	EL	43	9606		ES5PC	KO	10	9702
	S59F	JN	43	9608		KB0QDK	DN	10	9602
	VK6HK	OF	43	9510		OZ1CJX	JO	10	9602
68	K9LCR	EN	42	9601		PE1MJR	JO	10	9409
69	N5HHS	EM	40	9609		SM5PPS	JO	10	9507
	N8NQS	EN	40	9702	155	SM4HEJ	JO	9	9602
	SM3EQY	JP	40	9508		VE2PIJ	FN	9	9607
	VE7XF	CN	40	9702		XE1KK	EK	9	9601
73	K0CJ	EN	39	9602	158	ES4NG	KO	8	9702
74	SMOKAK	JO	38	9608		NH6YK	BL	8	9601
75	KA7MCX	CN	36	9609		OZ2AEV	JO	8	9606
	KH2CY	FM	36	9610	161	KB8TEJ	EM	7	9701
	OZ5IQ	JO	36	9508		NH6YK/KH4	AL	7	9601
78	GW6VZW	IO	35	9605	163	SM5KUX	JO	6	9506
	K8UNV	EM	35	9508	164	ES1AW	KO	5	9702
80	OH1LEU	KP	34	9506		ES1HW	KO	5	9510
81	W6YLL	CM	33	9702		ES2XM	KO	5	9510
82	OH5IY	KP	32	9408	167	ES1JL	KO	4	9702
	YO2IS	KN	32	9410		ES1RF	KO	4	9702
84	SM7JUQ	JO	31	9506		ES1XT	KO	4	9702
85	PA0ION	JO	30	9501	170	SK7CA	JO	3	9701



## April-May 1997 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, GJ4ICD's *Internet Six News* (marked with #), SM7AED's *Six-metre Info*, JA1VOK, VK3OT, VE7SKA, LW5EJU, SP5XMU, K6QXY, W0MTK, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1997. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, D=Digital, P=Cordless Phone, S=SSB, T=Television, W=mode not mentioned, H=heard only.

## Reports of Africa

### ASCENSION IS.

04062118 SD8VHF  
04082126 SD8VHF

B RH8BFX  
B RH8BFX

**EGYPT:** Following a successful two-day visit to Egypt by Chris, G3WOS and Nick, G3KOX, UKSMG is pleased to announce that Ezzat, SU1ER, is now active on 6m from Cairo. During the visit it was discovered that there was no Band 1 television interference in the center of Cairo and that one week's monitoring had shown no activity by other services. Ezzat's 3-element 6m beam is on the roof of his apartment block and is about 30 meters above ground level with an excellent takeoff in all directions.

After Chris and Nick had presented Ezzat with the 100 Watt amplifier and PSU donated by the UK Six Metre Group it wasn't too long before everything was fired up and found to be working perfectly. Ezzat is retired and has plenty of time to dedicate to 6m operation. After 25 years of HF DX experience he is looking for a new amateur radio challenge and we believe he has found one. SU1ER is permitted to operate on the band, is active now...

A further objective of the trip was to meet the management of the Arab Republic of Egypt National

Telecommunications Office (ARENTO) to support Ezzat's goal of obtaining a general release of 50 MHz spectrum to all SU operators later this year. A number of successful meetings were held and Ezzat was confident of achieving this goal before too long. Tnx SM7AED.

05151019 SU1ER CQ-> UK 50110 IK8DYD  
05221740-SU1ER > IO91 H G4RGK

### MALAWI

04031900-7Q7RM

W 9H1CG

**MALI:** On April 2 TZ6HY and TZ6W met with Mr. Toure, the Secretary-General of Sotelma (Society of Telecommunications of Mali) in Bamako. Mr Toure will assist with the licensing process for amateurs, promoting amateur radio and setting up training sessions for Malians interested in amateur radio, and assistance to the amateur community in gaining access to resources and additional frequencies (i.e. six meters). The Club des Radio Amateurs du Mali (CRAM) has been formed by interested parties. Ex-patriot hams and non-governmental organizations will work with CRAM to establish club stations for Malian amateurs. Hamadoun Yattara, TZ6HY, will serve as a liaison between the amateur community and Sotelma. Tnx SM7AED and QRZ-DX 14/97.

**NAMIBIA:** Laurence Howell, GM4DMA is hoping to be active on HF through 6m signing V5/GM4DMA from June 17 for one month. #

04031900 V51VHF

B 4X

**REUNION IS.** FR/DJ4VW was to be QRV from St. Gilles on 6-160m from May 1-15. de SM7AED & DX-NL 1040.

**ST HELENA IS.** SM7AED wrote that Johnny, ZD7WRG, is QRV on 6m with a loop and has heard the V51 beacon and some South American stations.

## Reports of Asia (Middle East)

### CYPRUS

04031728+5B4CY

< 1906

B 7Q7RM

**GEORGIA:** 4L50 and 4L5A have permission for 50 MHz operation this year. Omari, 4L50 starts his activity in May with a 5-element beam and the TS-690 from the 4L6PA crew.

### ISRAEL

04031900 4X6UJ, 4X1IF

05150733 4X6UJ 59++

05221740-4X1IF KM72 > IO91

W 7Q7RM

W SU1ER

W G4RGK

### JORDAN

05221740 JY9QJ KM71 > IO91

W G4RGK

### LEBANON

05221740-OD5SB

> IO91

H G4RGK

**TURKEY:** TA4/G3SDL was to have been QRV on 50 MHz from May 17 to 24 at the Club Hotel Sera, Antalya,

KM56IV. He was to operate a 10W beacon on 50.093 MHz when not in the shack.

TA2/HB9SUL, Andrea, is in KN40 for a business trip until the end of June. He hopes to be on 6 and 2m, and to obtain a Turkish call at a later date.

Members of last year's 4L6PA expedition to Georgia are now organizing a trip to Trabzon, Turkey. 4L50's QSL manager, Sedat TA7A, and the Trabzon Radio Club helped them with the application for a Turkish six meter license. They recently received a photocopy of the license which allows them to operate on 50 MHz within the province of Trabzon from July 1-21, 1997. They will use the radio clubs special event callsign YM7PA. Sedat, TA7A will remain the officially responsible operator. Participants will be PA0TLX, PA0JWU, PE1NWL, and 4L50.

## Reports of Asia (Far East)

### ASIA, GENERAL

04120800 ASIAN VID -0830 49.750 V V73AT  
04170800 ASIAN VID 48.240 48.260 V V73AT  
05030215 ASIAN VID 55 49.750 V EL3TIC  
05030215 ASIAN VID 59 46.170 46.240 V EL3TIC

### CAMBODIA

05110035 XU2A OK21 WK 0041 50.120 S JA1VOK  
05110042 XU2A > PM53 50.120 S JA6TEW  
05110045 XU2A > PM63 50.120 S JA5CWO  
05110058 XU2A 50.120 S JA3JTG  
05110100 XU2A > PM53 50.120 S JH6VXP  
05110107 XU2A 230 50.120 W JA1RJU

### CHINA

04090455 BY TV > QH30 49.740 V VK4FPHQ  
04270735 BG7IA 240 559-599 50.110 H JA  
04280924 BS7H/MM 210 OL72CG 50.110 H VR97IL  
04280926 BS7H/MM OL72CH 50.110 H VR97LC  
04281109 BS7H/MM OL72CH 50.110 H VR97LC  
05020730 BS7H/b > PL36 50.110 B JR6HI  
05020730 BS7H/b > PL36 50.110 B JR6VGP  
05030225 BS7H 559 OK85>PL36 50.110 C JR6HI  
05030302 BS7H > PL36 50.110 W JR6VGP  
05030305 BS7H & 0343 > PL36 50.110 W JR6CDB  
05030314 BS7H/b 50.110 B JA3JTG  
05030341 BS7H > PL36 50.110 W JR6RAH  
05030343 BS7H 59 > PL36 50.110 S JR6HI  
05190817 BG7KW 230 59++ 50.110 S JA6IMJ  
05190832 BG7KW 240 GUANGSHOU .110 JA1RJU

**HONG KONG:** On June 30, 1997 this British Colony will become a special administrative region of China. Chod Harris writes in June 97 CQ's DX column that "For the purposes of amateur radio, this amounts to an annexation of Hong Kong by China. Such an action almost always means that annexed 'country' ceases to exist and is deleted from the list of current countries."

Six meter operators want to know if this means their past contacts with Hong Kong will a) now count as mainland China (which is more rare on 6m), or b) won't count for anything at all. An even better alternative would be for past contacts to still count as one DXCC country, and contacts after June 30 to count as an additional one (China). Don't count on it, however.

04270721 VS6XSC 210 OL72 50.110 JA6QGG  
04270722 VR97XMQ 240 OL72 50.110 JA6QGG



05111020	BV3FG		50.114	H	JA1VOK
05111033	BV2SR		50.120	H	JA1VOK
05120729	BV2RR	240° & 10750	50.105	JA3BEG	
05120850	BV2PU	210 FM74QR	50.104	U830BX	
05120950		> PM63	50.105	H	JA30CX
05120950	BV2RR	230	50.1048	H	JA30CX
05120955	BV2PU	> PM63	50.160	H	JA5CMO
05121033	BV7GK	> PM63	50.110	H	JA5CMO
05121038	BV2FG/b	> PM63	50.001	B	JA5CMO
05121038	BV4PK	> PM63	50.125	H	JA5CMO
05121105	BV7GK	230 SA1	50.110	H	JR26QE
05121218	BV2RR	>PL36	50.105	W	JR6VEF
05130554	BV2FG/b	> FM74	50.001	B	UJ3MKG
05170728	BV4PK	599	50.125	C	JH4JPO
05171036	BV7GK	>PL36	50.110	S	JR6VEF
05171051	BV7GK	>PL36	50.110	S	JR6GCC
05171643	BV4PK	> PM63	50.125	H	JA5CMO
05181353	BV2SR	> PM63	50.120	H	JA5CMO
05210915	BV2FG/b	> PM63	50.001	B	JA5CMO
05210945	BV2FG/b	> PM53	50.001	B	JA6TEW
05220255	BV4CH	240 RS59 QRP	50.184	JL4JTO	
05220342	BV2QS	240 RST599	50.106	JR2HCB	
05220410	BV2PU	240 RST 599	50.105	JR2HCB	
05220911	BV2FG/b	599+ & 1225	50.003	B	JH4JPO
05220935	BV2FG/b	> PM63	50.001	B	JA5CMO
05220940	BV2PU	> PM63	50.162	H	JA5CMO
05221045	BV2SR	> PM63	50.120	H	JA5CMO
05221055	BV2RR	> PM63	50.105	H	JA5CMO
05221214	BV3FG	599+	50.115	JH4JPO	
05221230	BV4PK	59+	50.125	JH4JPO	
05221445	BV2SR	> PM63	50.120	H	JA5CMO

## Reports of Europe

### EUROPE GENERAL

05111234	EUR VID 65	>1324	48.242	VE1PE	
05141348	EUR TV		67.200	V	I1JQP
05142108	EUR INBAND TV	59	>47.872	I	G6YIN
05150608	EUR INBAND VIDEO	5/9	1091	I	G7EXO

### AUSTRIA

05150656	OR3OKS	jn87>1093	50135	G6YIN	
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### BALEARIC IS.

05151027	EH6FB	jm08 57 >j041	50130	DL9XEY	
05151035	EH6FB	JM08 > JO56	50130	OE5AGJ	
05151102	EH6FB	jm08	50130	PA3PEB	
05151116	EH6FB	qqqq no takers	50131	PE1PES	

### BELGIUM

05071154	OR4PS	59/59 JO22		S	SP5XMU
05071204	OR4ANT	59/59 JO20		S	SP5XMU
05141924	OR4LCV		50.1470	I	80AGY
05141932	OR1KPC	jn29	50.1190	I	80AGY
05181429	OR4ANT	MS26>>26 jn52	50160.0	I	K5JWQ

### BULGARIA

05141755	L52FT		50105	DL4MDQ	
05141814	L52FO	59 jo21<kn13	50.1100	PE1PES	
05141817	L51KDP	59 jo21<kn12	50.1150	PE1PES	
05141818	L51UF	57 JO21<KN12	50.1350	PE1BBJ	
05141818	L51UK	59 jo21 >kn13	50.125	PE1PES	
05141823	L53UF	55kn12qq>j033	50.1100	PA3BBH	
05141834	L54EB	55kn13oe>j033	50.1200	PA3BBH	
05141853	L52JQ	kn34pc	50.140	I4C1L	
05150949	L51UF	55 KN12>JO22	50.110	PB0ANZ	
05180924	L52HV	kn23tb	50.114.8	SP2TQW	
05181515	L53BD	kn12	50.112.0	DL9MS	

### CRETE

05081157	SV6SIX	599	>K002LG	C	SP5XMU
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### CROATIA

05092120	9A	FAI		EA3ADW	
05141300	9A3HE	599	-1400	H	GM3JYJ
05141927	9A2DI			50.1123	GW3YDX
05142002	9A3FT	cq		50.1100	OR4GG

### DENMARK

05141645	OS8ABE	599+ injn03	50.1050	F6DRO	
05141916	OK3BD	jn65<>j065	50.1408	IK3OCD	

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051142000 03JEW 5/5 >J054 50.1100 IW9DSW
051142001 03JEW 50.1260 IT7KSS
051142001 058ZE 50.1260 IT7KSS
051151637 056VHF 399 > K002 B 6P5KMU
051151637 058ZE QSB 6P5KMU
051151638 05SAGT QSB 6P5KMU

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## ENGLAND

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050711143 67EXO 55/55 IO91 S 6P5KMU
051141401 63NKK 59+ 50.1300 6P4MPB
051141404 61FOK 50.1300 6P4MPB
051141634 67EXO KERRY 50.1291 I34BEZ
051141652 281CQZ 50.1700 IW5BQT
051141916 67WLF 59 IO90>JW61 50.1810 TW0NDP
051141917 67WLF 59 IO80>JW61 50.1810 TW0NDP
051141918 281EMW 50.1400 IS0AGY
051506533 MIASH jo44 > io70 50110 DJ4SO
051507332 61HHO 59/59 strong 50150 6P4MPB
051507332 61HHO io90es 59+ 50140 PE1TVU
051507338 64CQC io70 >>ko03 50131 6P4MPB
05150740 68DKF 50142 SQ9ACE
05150741 67EXO CQ strong 50140 6P4MPB
05150748 68DKF 59 jo41gv hrd 50151 DL9XEY
05150749 60HVQ io81vv 59 >jo41 50160 DL9XEY
05150750 60HVQ 50161 OK1JL
05150804 60HVQ 50163 SQ9ACE
05150804 MNOAMW jn58-io75 50130 DJ3MY-9

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05150940 G7BUR 50150 IWORLC  
05151007 M1BLX 50160 IWORLC  
05151009 M1AIX 50160 IWORLC  
05151025 G1POK 50180 IWORLC  
05151025 M1ABU 50180 IWORLC  
05151027 GWBO 50155 ISKSCVV  
05151113 G8HPD 5/9+15 50170 IZ4AIB  
05151636 MOAYL I093 59/59 > K0021g S SP5XMU  
05151645 G7LXK/M 59/59 I093->K002 S SP5XMU  
05160807 G7RRD 59 59 S SP5XMU  
05160832 G0PWE 57 57 I095 S SP5XMU  
05160842 G7YVD 57 57 I083 BRIAN S SP5XMU  
05160848 G4FV 59 59 I094 S SP5XMU  
05160900 G83NHQ 599 I090 BRACON B SP5XMU  
05160900 G83RR REPEATER F SP5XMU

## ESTONIA

05141610 ES08IX 559 into jo21 50036 B PE1PES  
05141622 ES1CWC ko29>jo21 50.1158 PA0ERA  
05141638 ES66IX K037 559>jo62 073 B DL1UU  
05141652 ES1CWC ko29 59 JN76RT50.1180 OE6LOG  
05141658 ES08IX K018 559 >JN76RT.037B OE6LOG  
05150713 ES66IX ko38mt 50074 B OK1JL

## FINLAND

05141354 OR TV7 72.700 V IL1TQ  
05141600 OH1SIX 599 >jo61 50.025 B DL2DXA  
05141601 OH1SIX KP11>JN67 599 .025 B OE2UKL  
05141608 OH3NLP kp11 50174 DL2DXA  
05141627 OH3MF 59 kp20>jo21 50.1320 PE1PES  
05141638 OH1JCS calling CQ 50.1300 DJ8RE  
05141639 OH2LIY, OH2VE 50.123 PE1PES  
05141639 OH5KKE 59 50.1250 PE1PES  
05141641 OH7MSH KP33MN 50.1500 PA3GST  
05141641 OH7MSH KP33MN 50.1500 PA3GST  
05141644 OH2VZ 50.1000 DJ8RE  
05141646 OH3NE with lx1jx 50.1340 DL4ALI  
05141651 OH1JCS 55 jo21>kp11 50.1500 PE1PES  
05141651 OH3MF KP20 559>jo63 50.1340 DJ4TC  
05141700 OH96IX KP36>JN67 50.067 B OE2UKL  
05141703 OH1SIX KP11 599>JO6250.025B DL1UU  
05141708 OH96IX KP36>JO62 579 50.067B DL1UU  
05141712 OH3MF 59 kp20fr>jo21jo.132 PE1MES  
05141729 OH1SIX 559 kp11>jo21 50.025B PE1MES  
05141729 OH6KTL KP02>JO62 57 50.1500 DL1UU  
05141729 OH96IX KP36>JN58 599 50.067B DL4MDQ  
05141741 OH3NLP 59>>>jo21jo 50.1500 PE1MES  
05141742 OH2LIY jo22>kp20mh 50.1500 PE1OZH  
05141748 OH3MF 599 in jo33 50.132 PA3HBB  
05141750 OH1AYQ 59 jo21>kp12 50.1300 PE1PES  
05141755 OH7MSH 59 jo21>kp33 50.1400 PE1PES  
05141756 OH1AYQ 59 qsb 50.1290 ON1ANK  
05141806 OH2AXH jo22 < kp20 50.1450 PE1OZH  
05141808 OH1AYQ 55 JO21> KP12 50.1300 PE1EBJ  
05151035 OH3MG 50142 IK8DYD

## FRANCE

05140934 F6F44 59/53 IN95OF JOHN GM3JJI  
05141023 F1AKE 59/55 IN97 JEAN GM3JJI  
05141607 F5BYM IN94>JO62 59 50.1400 DL1UU  
05141927 F6CBH jn19 50.1694 SP2IQW  
05141946 F1FHR 5/3 >JN18CP 50.1200 IW9DSW  
05150800 F8EW jn38>I093 50.1200 G6YIN  
05150953 F5QT Jean-Paul 50.118 DL6TK  
05151035 F1BHB 50.130 IWORLC  
05151038 F5BYM in94 50.115 DL2DXA  
05151043 F1MKE jn05 50.120 DL2DXA  
05151056 F5JJK jo44 > in87pr 50.106 DJ4SO  
05151107 F5IQA jn36 50.1217 GW3YDX  
05151109 F5IQA JN36 59+ 50.1217 G0HVQ  
05151111 F1NNE jn26 50.1500 GW3YDX  
05151114 F1NNA jn26aa 59 ++ 50.151 G4VSS  
05151115 F5JJK Eric (ex 575JC) 50.134 DJ6TK  
05151118 F1NNE JN26->I081 50.150 G0HVQ  
05160700 F6PLV 59 59 JN08 S SP5XMU  
05160701 F46IX 599 B SP5XMU  
05160717 F6LUS 59 59 B SP5XMU  
05160718 F1RG 59 59 IN99 S SP5XMU  
05160722 F5PKX 55 51 JN07 MICHEL S SP5XMU  
05160752 F8EW 59 58 JN38 JEAN S SP5XMU  
05160810 F6ARQ 59 59 JN05CO CLAUDE S SP5XMU  
05180921 F6HTJ jn12kq>io73tg 50.112 GW0GEI

## GERMANY

05071216 DL9YEX 53/55 QSB JO41 S SP5XMU  
05150715 DJ1EU jn68>I093 50.115 G6YIN  
05150753 DL9YEX JO41->I081 50.160 G0HVQ

## GREECE

04031728+BV1AKH, BV1DH < 1906 W 7Q7RM  
04031728+BV16IX < 1906 B 7Q7RM  
05100712 SV5FEN 56/59 (S/R) 50.110 S SUIER  
05140011 SV8CS teat 50.150 SV8CS  
05150929 SV16IX 559 in jo61 50.040 B DL2DXA  
05151026 SV16IX 50.041 B RA3YO  
05180947 SV2CLS 59 59 KN10LO S SP5XMU

## ISLE OF MAN

05150756 GD4WBY no RX but 59 50.136 S56A

## ITALY

04031728+IW9DSW 58 < 1906 W 7Q7RM  
05081748 IK5WE 59/59 JN53 >K002LG S SP5XMU  
05081755 IK5BML 59/59 JN52JW>K002LG S SP5XMU  
05081756 IZ4BEJ 59/59 JN64 >K002LG S SP5XMU  
05081757 IK4PMT 57/59 >K002LG S SP5XMU  
05081758 IK7UXY 59/59 QSB >K002LG S SP5XMU  
05081800 IW5BQT 59/59 JN53PD>K002LG S SP5XMU  
05081804 IK5YJY 59/59 JN53PD>K002LG S SP5XMU  
05100715 IK0OKY 59/59 50.150 S SUIER  
05100716 IK0PTA 59/59 50.110 S SUIER

05100728 IK0BAL 59/59 50.110 S SUIER  
05100731 IK0VQA 59/59 50.110 S SUIER  
05100733 IK8NIM 59/59 50.110 S SUIER  
05100944 IW9DSW 59/59 50.110 S SUIER  
05141903 IW0DEI JN61GO>JO20AR50.1502 OW4GG  
05141904 IK0VQA 50.1100 OW4GG  
05142018 IK8JBU 59 jn70 50.1150 DL9YEX  
05142018 I8TWK iw8drg 50.1200 DL9YEX  
05142021 I8DYD 559 in jo62 50.110 DL1UU  
05142108 I VIDI 89+20 47.872 V G6YIN  
05150805 IW3RI jn65 50.151 G6YIN  
05150836 I8KRO jn88 50.150 SP4MPB  
05150841 I8KRO jn88>jo71 50.150 DL9UDE  
05150925 IW9DSW 50.150 SQ9ACE  
05150949 I6PQE JN63->I081 50.149 G0HVQ  
05150949 IK3OCD jn65 599 io82 50.153 GW3YDX  
05151027 IW8DRG JN70->I081 59+50.149 G0HVQ  
05151727 IW0DEI 59/59 JN61 S SP5XMU  
05151728 IW0BUT 55/55 QSB JN61 S SP5XMU  
05180804 IW8PQ jn78 50.190 I KOPTA  
05180923 IWSBML qj 50.150 OM4ANT  
05181016 IOAKP 50.149 SP4CHY  
05181019 IK5EUL 59 59 JN52 S SP5XMU  
05181020 IWORLC 59 55 JN63PD DARIO S SP5XMU  
05181021 IK7UXY 59 59 JN90 JOHN S SP5XMU  
05181022 IK5JWQ 57 55 JN52NS BEPPE S SP5XMU  
05181029 I4ADJV 59 59 JN64CD S SP5XMU  
05181023 IWSAVH 59 59 JN52NS MARCO S SP5XMU  
05181031 IW8EHA 59 59 JN70CX S SP5XMU  
05181356 IQ3AC jn66ea Treviso50.150.0 IW5BQT  
05181423 IQ3AC 53 jn66<jo61 50.150.0 IW0DOT

## JERSEY

04221735 GJ4ICD 37 27 IN89WF 1166 OE3ZW  
05150710 GJ7UIT 50.133 DJ460

## LITHUANIA

05141619 LY2SA 57 ko14<jo21 50.1450 PE1PES  
05141619 LY2SA ko14qn 59>jo33 .1420 PA3FYP

## MALTA

04031728+9H1SIX < 1906 B 7Q7RM  
04031900-9H1CG 57 W 7Q7RM  
05100929 9H1CG 59/59 50.110 S SUIER  
05101016 9H1GT 59/59 50.110 S SUIER  
05101023 9H5PG 56/56 50.110 S SUIER

**MARKET REEF, OJ0:** A group of German hams will activate Market Reef from June 1-6 QRV on 160-10m and 6 & 2m CW.

## NETHERLANDS

04221731 PA3DWD 55 55 JO23BE 474 OE3ZW  
04221732 PA2TAB 54 55 JO32GF 496 OE3ZW  
04221733 PA3FYM 55 55 JO22OF 559 OE3ZW  
04221840 P14AGS 54 55 JO32LG 474 OE3ZW  
04221954 PE1MCD 57 57 JO23KE 452 OE3ZW  
04222001 PE1OEH 51 51 JO22KK 561 OE3ZW  
04222004 PA0RDY 51 51 JO22KJ 564 OE3ZW  
05141753 PA3GDU qj oq 50.111 PA3HBB  
05141758 PE1OEH 53 in jo33 50.145 PA3HBB  
05141922 PE1PES 50.1250 I80AGY  
05160724 PE1GNP 59 59 JN31 S SP5XMU  
05160725 PA0POS 59 59 JO21JX PIET S SP5XMU  
05160800 PBOANX 59 59 S SP5XMU  
05160814 PA3GTC 59 59 JN32 S SP5XMU  
05160829 PAOWLB 59 59 JO22ID S SP5XMU  
05160845 PAOREM 59 59 JO22QE EDDIE S SP5XMU

## NORWAY

04221815 LC3BAT 52 52 JO59HK 445 OE3ZW  
05141931 LC3SAT jn65<jo59 50.1478 IK3OCD  
05141952 LC3SAT JO59 50.1460 IW5BML

## POLAND

05141337 SP9UNX 59 jn99>io93 50.1150 G6YIN  
05141337 SP9CXT 50.1260 G4VSS  
05141712 SP8NCG ko12nc 50.130 IW5AVM  
05141913 SP2NJE jo01 > jo92 50.1280 G8RIA  
05141914 SP2NJE jo92>io93 50.1270 G6YIN  
05141914 SP9CXT jo90 50.1150 G4OBK  
05141916 SP8MME ko11 50.1300 G4FV  
05141920 SP2SGE JO82U 50.1167 OM1AEN  
05141921 SP6AED JO81 50.1900 G4OBK  
05141922 SP2NJI jo01 > jo92 50.1200 G8RIA  
05141943 SP8TQT JO81 >CW 50.0900 G4OBK  
05141944 SP8BQT jo01 > ko11 50.1400 G8RIA  
05150646 SQ9ACE jo90 io91 5/9 50.145 G7EXO  
05150726 SP2SGE JO82->I081 50.120 G0HVQ

## PORTUGAL

0427XXXX CT VID 48.242 V K1TOL  
04291735 CTOWW 599 > I080 B G4HBA  
04291735+CTAKQ IN76 > I080 W G4HBA  
05141034 CTIEKF 59/55 IN50 XARA.135 GM3JJI  
05141621 CTOWW 559 in jo62 50.030 B DL1UU  
05151038 CTOWW IN61 >JO56 559 50.030 B OE5AGJ  
05151101 CTOWW 539 qsb in61 50.030 B DL4ALI  
05151102 CTOWW 559 qsb>jo21 50.030 B PE1PES  
05180901 CTOWW >JN37am 50.030 B HB9DFG-1  
05180916 CTOWW in61 579 qsb 50.030 B IW5AVM  
05180916 CTIHB STRONG 50.150 I K2RXX

## ROMANIA

05081200 YO B 4X/K3BRS  
05141923 YO2IE 50.1123 GW3YDX  
05150806 YO7VS 50.120 G6YIN

**Russian Federation (Europe): RV6FS** is now QRV from Pyatigorsk, LN14AB, using an FT690 and 3-element beam. Tnx SM7AED.

05141603 UA TV R1 57 56.250 V PA3GST  
05141640 UA1WJ ko47eu 50.1100 DL4ALI

## SCOTLAND

04211651 GB3LER IP90>JO56 55A B OE5AGJ  
04211722 GB3LER 52A JO23 50.064.0 B PE1MCD  
04211730 GB3LER 5-6A I093 50.064.0 B G3MCS  
04211753 GB3RMM 55A I093 50.060.0 B G6YIN  
04211819 OM0HAI 41A I080 50.105.5 G4HBA  
05141359 GB3LER IP90 559 50.064 B OE6LOG  
05150718 GMLKD & 0725 50.155 IZ4AIB  
05150742 OM0UO 50.150 IZ4AIB  
05150743 G0KJFK 50.150 IZ4AIB  
05150844 OM4VHU I087 59+ 50.130 IK5YOI  
05160900 GB3RMM 599 I077 BRACON B SP5XMU

## SERBIA

05092120 YU1,YU7 FAI EA3ADW  
05141338 YU1VG 44/57 JN94UE GM3JJI  
05141933 YU1BT Gone >QSB 50.1123 GW3YDX  
05150840 YU16IX kn03 50.088 G6YIN  
05171416 YU18U 58/59 W SUIER  
05180900 YU16IX 559 B SP5XMU  
05181902 YU16IX 579 > I083 50.088.0 G0JHC  
05181935 YU16IX 579 in io82 50.088.2 GW3YDX

## SICILY

05100927 IT9CHU 59/59 50.110 S SUIER  
05100931 IT9UUT 59/59 50.110 S SUIER  
05100936 IT9ESW 56/59 50.110 S SUIER  
05100938 IT9KFS 59/59 50.110 S SUIER  
05100941 IT9LFR 59/59 50.110 S SUIER  
05101015 IT9TMM 59/59 50.110 S SUIER  
05150855 IT9DEC jn77 50.115 SP4MPB

## SLOVENIA

05141927 S59A 50.1123 GW3YDX

## SPAIN

04291735+EH7DUW IM76 > I080 W G4HBA  
05101018 EH5BEJ 56/58-9 50.110 S SUIER  
05111245 EA VID 85 > 1400 48.242 V VE1PE  
05111250 EA VID 85 > 1400 48.250 V VE1PE  
05151038 EH1TA in53ai 50.156 PE1MEW  
05151104 EH1TA from IN53 50.140 DJ6TK  
05151106 EH3CUU JN12 > JO56 50.135 OE5AGJ  
05151108 EH3CUU jn12 50.136 G6YIN  
05151110 EH1TA in53 59 >jo33 50.140 PA3FYP  
05180809 EA TV JO32 50.000 V PA3FV  
05180929 EH1TA 50.155.0 IW0DEI

## SVALBARD

05141830 JN76IX 87 -1925 B G4IGO  
05141917 JN76IX 50.047 B G

## SWEDEN

04221928 SM0PMT 529 519 JO89VJ 568 OE3ZW  
05141539 SK38IX JP71 599 >JN76RT B OE6LOG  
05141653 SK38IX jp71 559>jo61 50.070B DF0SAX  
05141840 SM7VHS >JO76LW 50.1500 IW9DSW  
05141902 SK38IX jn65<jp71 59950.070 B IK3OCD  
05141925 SM7WDS jo66>jn45 50.1650 IK2SGC  
05141941 SM7VHS 50.1550 IT9KSS  
05150738 SK38IX JP71XF 559 50.070 B S56A

## SWITZERLAND

05151041 HB9EHR 59+ but deaf 50.110 GW3YDX  
05151055 HB9RHV 57 jn36 > io8250.130 GW3YDX

## UKRAINE

05180917 UR4LL qsb 50.120.3 SP2IQW

## WALES

05141820 GW4UWR 50.165 IW0DEI  
05141820 GW4UWR 50.165 IW0DEI  
05150722 GW4UWR io81 > jo71 50.150 DL9UDS  
05150723 GW3RME 50.110 OK1JL  
05150730 GW0GHP 50.139 SQ9ACE  
05150736 GW1UWR 50.150 SQ9ACE  
05150738 GW6VZW io82lp 50.118 OK1JL  
05150746 GW1MNC io81 50.155 DL9YEX  
05150754 GW4UWR 50.126 OK1JL  
05150755 GW4UWR io81lp 50.138 OK1JL  
05151024 GW4UWR 50.145 IK5CVV  
05151025 GW0PLP 50.110 IK8DYD  
05151033 GW4UWR CQ 50.146 IK8DYD  
05151033 GW6VZW 50.140 IWORLC  
05151101 GW6EOL STRONG 50.145 IK5CVV  
05151105 GW0VSW very strong 50.158 IK5CVV  
05151114 GW0GHP 50.153 IK5CVV  
05160841 GW4UWR 57 57 I081 S SP5XMU

## Reports of North America

This month's TV and FM DX reports via Es were submitted by Pat Dyer, WA5IYX, San Antonio, TX and



Danny Oglethorpe, Shreveport, LA, and Mike Cherry, VE7SKA.

## ALASKA

05190600 KL7 BP54

W VE7MDL

## BAHAMAS

05032200+C6AGE

W WP40

## CANADA, Eastern

05071425 VA3RCW 59+58 FM04 > EM50 S KC5WCP  
05071826-VA3RCW FM04 H B5UXT  
05201638+VE3 EN69 > DM78 H VOYGM

## CANADA, Western

04271345 VE4VHF EN19 > DM62 B H5JHV  
04291335 CKND2 2 MB "Kids TV" 1279 T Oglethor  
04291506 VE4VHF EN19 > EL09 50.035 B WASIYX  
05020016 VE6MT 65° DO21 AU 50.125 S VE7SKA  
05020016 VE6KT DO21 > CM88 S VE7SKA  
05020048 VE6KT > DO32 AU 50. H VE6BPR  
05020048+VE6BOM > DO32 AU 50. H VE6BPR  
05020420 UNID 5 CBC Manitoba promo T Oglethor  
05020505 CKND2 2 MB 1279 T Oglethor  
05090200 VE6 > CM88 K6QXY  
05090200 VE7 > CM88 K6QXY  
05090204 VE7SKA BACKSCATTER 529 C W7DB  
05090647 VE7 CO60 > CM98 H WB5OMF/6  
05150240 VE6EMU DO33 > CM88 -0330 B K6QXY  
05150240 VE7 > CM88 -0330 B K6QXY  
05150242 VE7BEE > DM09 50.125 W K7XC  
05150300 VE6EYV DM39 50.125 H K7XC  
05150309 VE6EMU S9+ > CM88 W K7XC  
05181700 VE6EMU IN & OUT ALL DAY B K6QXY

## CUBA

05071728 CO2OJ 559 >FK68 50.125 W WP40  
05111305 CO2OJ W KB8TEJ  
05111505 CO B8EJN  
05111535 CO2KK > EN40 50.125 KA9CFD

## DOMINICAN REP.

04082024 HIOVHF 55 F2 50.010 B LW5EJU  
04142045 HIOVHF 59 F2 -2150 50.008 B LW5EJU  
04152045 HIOVHF 59 F2 -2110 50.008 B LW5EJU

## GRENADA

04110110 J3EOC 51 TE 50.057 B LW5EJU  
04172024 J3EOC 52 F2 -2050 50.057 B LW5EJU

**HONDURAS:** JE3XRX will be staying in Honduras until June 1998 as a Japan Overseas Cooperation Volunteer (JOCV). He is awaiting his HR license including 50 MHz, and is expecting HR1XRX. He lives in a small village with no electricity, but he already has a solar cell and a car battery and is watching the bands. Equipment: FT-690MK2+50W Linear Amp into a small beam antenna. Tnx JF3KQA.

**LABRADOR:** G8FC/VO2. Members of the RAF Amateur Radio Society are going to Goose Bay for 10 days during the first three weeks of June. They will have 100W and a 4-el beam on 6m.

## MEXICO

04022205 XE1KK 57 F2 50.023 B LW5EJU  
04082011 XE1KK 59+P2 50.023 B LW5EJU  
04102100 XE1KK 59+P2 50.023 B LW5EJU  
04112050 XE1KK 59 F2 -2215 50.023 B LW5EJU  
04181640 XHAP 2 GR Acapulco 870 T WASIYX  
04182201 XE1KK 53 F2 -2215 50.023 B LW5EJU  
04190115 UNID 2,3,4,5 Mexico XEW T Oglethor  
04190134 XHCC 5 COL/JAL T Oglethor  
05010402 XHVIZ 3 TB Villahermosa 870 T Oglethor  
05011825 UNID 2 Mexico, weak T Oglethor  
05090039 XHBC 3 BCN T VE7SKA  
05110222 XHBC 3 BCN Mexicali DM22 T WASIYX  
05110225 XHRM BCN Tijuana 92.5 F WASIYX  
05110233 XETRA BCN Tijuana 91.1 F WASIYX  
05110236 XHTE BCN Tijuana 90.3 F WASIYX  
05190325 XE1 H W0MTK

## PUERTO RICO

04110123 WP4MSL 55 TE JOSE 50.110 S LW5EJU  
04110135 KP4MSL 57 -0145 H LU2EQ  
05032227 KP4EK FK68 > EL96 W N5PIP/4  
05032227 WP40 FK68 > EL96 W N5PIP/4

## ST KITTS & NEVIS

04110110 V44K 51 TE 50.055 B LW5EJU  
04142045 V44K 59+P2 -2130 50.055 B LW5EJU  
04172011 V44K 59 F2 -2050 50.055 B LW5EJU

## United States, W1

04292236 W1 NH FM43 > EN74 50.125 H8CGY  
05020000+WIREX FM55 > EN92 AU 144. W WA3LTB  
05230200 W1 > EN66 KC8DII

## United States, W2

05111411 W2FGK 55 FM21 > FM18 S KE4IAP  
05141757 K2BTO 50.1250 KC5HHN  
05151100 K2BD 599+ FM20 50.074 B BL7KM  
05201920 W2FGK FM21 B5UXT  
05211620 W2 FM21 > EM21 LOUD WASJCI

## United States, W3

05021325 WNAH 2 ND 1072 T Oglethor  
05211400 W3 FM29 KC5WCP

## United States, W4

04271300+W4 FL VY WNAK <1430 > DM27 H W7GJ  
04292200 W4 FM05 > EL29 W W5DF  
04302149 W4/KC8CSD EM60>EN74 50.125 W H8CGY  
04302200 W4 FM > EM21 H WASJCI  
05020000 H4PE EM52 > EN92 AU 144. W WA3LTB  
05022000 W4 MC S9+ > FM85QR VE1PE  
05032200+W4 (GA) -2245 WP40  
05071520 W4/K9HEY 180X EL86 50.125 VE3FCX  
05071630 W4/W9GU 57 FM91 > FK68 S WP40  
05071807 KB4TEQ FM73 > DM59 50.173 W W0MTK  
05071919 W4 EM66, EM27, EM81 >DM70 H0RC  
05071942 W4FVA EM38 > DM59 50.173 W W0MTK  
05072003+K4U4CH (exKE4UPL) EM66>DM59 W W0MTK  
05072003+K4U4CH (exKE4UPL) EM66>DM59 W W0MTK  
05072140 WB4WKE EM74 > DM78 50.125 W H0YGM  
05101929 W2UDW 2 AL Dozier EM61 T WASIYX  
05110205 W4 EL86 > FM20 B2UWH  
05111400 W4 EL59 > EM84 W H4UK  
05111442 W4 FL EL59 > FM18 KE4IAP  
05111500+H4G4 FM16, FM17 BACKSCAT. H4UK  
05111500+W4/W9GU BACKSCATTER EN91 H4UK  
05111505 W4 FL H8EJN  
05111557 H4RPH EL87 > EN81 50.128 W KC8CSD  
05142006 W4UDH EM52 > EN59 50.125 W W0MTK  
05181300+W4 EL08, 09 > EN97 <2000 KB8TEJ  
05181700 W4 FL > EM21 H WASJCI  
05181728 W4 FL H W0MTK  
05181843 KE4NYH EM65 > DM59 50.182 W W0MTK  
05200300 W4 GA EM74 WNAK & SPOTTY K6QXY  
05200330 W4 EM74 > CM87 W6  
05211400 W4 FM05 KC5WCP  
05212200-KD4AOE 50.016 B VE1PE

## United States, W5

04271300 W5 OK, TX -1430 > DM27 W W7GJ  
04282200 W5 VY WNAK > DM12 50.125 H WA6TBO  
04282230-KJRH 2 OK TULSA > NJ T SHAFTAN  
04302155 W5 EM60, EM50 -2240 >EM79 W H8EJN  
04302155+W5, EL07, EL59 -2240 >EM79 W H8EJN  
05010216 W5 EM40 > EN91 B5UXT  
05010300 W5 EM50, EM41 XE1KK  
05021320 W5NFC FM10 > FM19 W B3VBB  
05021320+W5NFC, KC5AKW EM22 > FM19 W B3VBB  
05051500+W5 NM > CM88 -1800 K6QXY  
05062240 W5 NM > CM88 -2305 H VE7SKA  
05071530 W5VAS 225x EM40>FM0350.125 VE3FCX  
05071919 W5 EM27 > DM70 H0RC  
05072230 W5SAL DM56 > EM48 KOAZ  
05110240 W5 NM > CM88 K6QXY  
05111305+W5 EM13 KB8TEJ  
05111400+W5 TX, OK, LA > EM84 H4UK  
05111530 KC5QAY 57 > FM18 KE4IAP  
05181300+W5 EM10, 20 > EN97 <2000 KB8TEJ  
05181329 H5JHV 59 > CM85 W7DB  
05181700 W5 NM, TX, OK IN&OUT ALL DAY K6QXY  
05181800 W5 DM90-EL20 > EM84 H4UK  
05181800+KUMID 2 TX MIDLAND < 2041 T H4UK  
05181800+W5OBI DM95 > EM84 B H4UK  
05181855 KOSD DM92 > EM84 H4UK  
05182230 W5 DM76, 84, 93 > CM97-2300 H K6YK  
05190200 W5 TX SPOTTY > CM88 K6QXY  
05200300 W5 NM > CM88 K6QXY  
05201535 W5 NM DM65 > EN62 W WB9UAI  
05201920 W5FF DM65 B5UXT  
05211635 W5FF FM7 DM65 > EM84 -1245 H H4UK  
05221615 W5 NM DM76 > DO31 VE6NTT  
05240000 KASA 2 NM T VE7SKA

## United States, W6

04221610 W6 N.C.A WKG NOLL 50.125 H W0MTK  
04221751 W6GERE 53 DM14 50.125 W0MTK  
04221755 K6DHHK > DM59 -1833 50.173 W W0MTK  
04221759 AA6DD > DM59 50.173 W W0MTK  
04221759 K6RMJ > DM59 50.173 W W0MTK  
04221804 K6KDX > DM59 50.173 W W0MTK  
04221809 K6DUS > DM59 50.173 W W0MTK  
04221816 AB6QY > DM59 50.173 W W0MTK  
04221923 K6IHA DARRYL >DM59 W W0MTK  
04250120 K6FV -0125 CM87>CM88 50.069 B VE7SKA  
05062046 K6IHA DM04 > DM59 W W0MTK  
05062049 K6JHI LEO > DM59 50.173 W W0MTK  
05062322 W6 H.C.A > CM88 -2338 H VE7SKA  
05082320 K6FV 59+20 CM87 > CM88 B VE7SKA  
05082320+W6 DM04, 14, 12, 13, 03 -0321 VE7SKA  
05082320+W6 DM05, 06, 07 -0306 VE7SKA  
05090000 KCR4 3CA T VE7SKA  
05090000 KRON 4 CA T VE7SKA  
05090020+K6FV 599 CM87 > CM85 B W7DB  
05090023 KEYT 3 CA T VE7SKA  
05090030 KCB5 2CA T VE7SKA  
05090030+W6 > DM27 W W7GJ  
05090030+W6 CM8x, CM9x, DM0x > CM89 W VE7MDL  
05090047 KNBC 4 CA T VE7SKA  
05090255 KTVU 2 CA T VE7SKA  
05110152 KCB5 2 CA Los Angeles WASIYX

05110835-KR0WT 4 CA -0916 V EK1AA  
05110835-KTVUT 2 CA -0916 V EK1AA  
05182035 K6DHHK DM13 > EM84 H4UK  
05182037 K6GMV DM14 > EM84 H4UK  
05182039 W6GJR DM16 > EM84 H4UK  
05182040 W6/W3BE DM03 > EM84 H4UK  
05182041 W6CAP DM14 > EM84 H4UK  
05182315 W6CAP 579 DM14 > EM48 H WAOKBE  
05190115 W6 DM03, 04, 06, 07 > CM85 H7EIJ  
05232258 KTVU 2 CA T VE7SKA  
05232300 KCB5 2 CA T VE7SKA  
05232351 KCR4 3 CA T VE7SKA  
05241530+H6AJ < 1620 > DM31 H K7UV  
05241530+W6/WB9AJE > DM31 H K7UV

## United States, W7

04291750 H7ML DM45 > EN74 MI 50.125 W H8CGY  
05020016 W7HAH > CM88 H VE7SKA  
05020028 W7HAH 65x DM26 AU 50.135 S VE7SKA  
05020048 H7ML DM45 > DO32 AU 50.125 W VE6BPR  
05041538 K7XC 165x DM09 > CM88 H VE7SKA  
05051452 H7ML DM45 > DO33 50.125 H VE6MK  
05051500 W7HAH > CM88 -1800 B K6QXY  
05051529 H7ML DM45 W WB7QBS  
05051925 K7KYQ DM76 W WB7QBS  
05061400+H7ML DM45 > DM09 -1415 H B7LQ  
05061445 W7/BOXX CM84 > DM59 W W0MTK  
05061800 W7 DM45 > EN74 50.125 H H8CGY  
05081340 H7ML DM45 > DO33 C VE6MK  
05081945 H7ML DM45 > EM46 50.125 H KOAZ  
05082320+W7 AE DM33, 34, 43 -0236 VE7SKA  
05090020+W7G2 > CM85 B H7DB  
05090030+H7FE BACKSCATTER > DM27 W W7GJ  
05090037 W7 CM84 > CM63RD H5JHV  
05090057 KTVK 3 AE T VE7SKA  
05090117 H7NKK 58 DM37 > CM85 S H7DB  
05090200 KRRV 4 EV T VE7SKA  
05090200 KVCB 3 EV T VE7SKA  
05090200 W7 WA, MT, ID, OR > CM88 K6QXY  
05090206 W7 WA, OR LOUD > NV K7XC  
05090207 K7ICW BACKSCATTERDM26>DM09 W K7XC  
05090207 H7DB BACKSCATTER W VE7SKA  
05090212+W7 EV DM08, 09, 26 -0250 VE7SKA  
05090467 W7 CM88, CM89 > CM98 H WB5OMF/6  
05110100 W7 AE > EM21 WASJCI  
05110200 KTVK 3 AE Phoenix DM33XI T WASIYX  
05111433 W7GJ W H5JHV  
05111436 W7GJ > DM41 H H7QWT  
05111600 H7ML DM45 > CM89 H VE7MDL  
05120100+H7ML DM45 > CM89 H VE7MDL  
05150300 W7HAH S9 -0304 B K7XC  
05151318 W7HAH AURORA > DM27 B W7GJ  
05181330+W7 DM33 > CM85 H H7DB  
05181339 KF7RP/7 55 DM36 > CM85 S H7DB  
05181725 W7/BOXX CM84 > CM85 H W0MTK  
05181900+W7/K1BM CM71 > EM48 S KOAZ/M  
05182305 W7 (BW) > EM48 50.125 H WAOKBE  
05182329 KF7RP/M DM46 > EM48 50.125 WAOKBE  
05190200 W7 WA SPOTTY > CM88 K6QXY  
05201632 H7ML 59+50 >1800 >EN62 WB9AU  
05201728 H7ML > EN81HM W KC8CSD  
05201800 W7 DM26 -2100 VE7MDL  
05211380+K7KYQ 68 > EN74 H8CGY  
05211800 H7ML 59+60 DM45>EN74 H8CGY  
05232330 KVCB 3EV T VE7SKA  
05241530 H7ML > DM31 H K7UV  
05241530+W7/BOXX < 1620 > DM31 H K7UV

## United States, W8

04291410 W8UKS EM89 > DM59 W W0MTK  
04291424-H8TUH > DM59 W W0MTK  
04291506-W8MVE > DM59 W W0MTK  
05111305+W8 EN81 KB8TEJ  
05141430 W8 EM97 > EM98 W KB8TEJ  
05201638-K8EFD EM89 > DM78 W H0YGM  
05201638+W8 EM99 > DM78 H0YGM

## United States, W9

04290422 W9 WI EM62 > EM92 MC H9PBA  
04291452-K9IFO > DM59 W W0MTK  
04291459 WISC 3 WI Madison 1064 T WASIYX  
04291520-W9AQ/MOBILE > DM59 W W0MTK  
04291534-KB9KUE > DM59 W W0MTK  
04291602-W9ALU > DM59 W W0MTK  
04291616-W9FKU > DM59 W W0MTK  
04291630-K9KX > DM59 W W0MTK  
04291644-B9DDH > DM59 W W0MTK  
05010301 K9BE 105x EN35 50.125 S VE7SKA  
05071802 KW9KW EM40 > DM59 50.173 W W0MTK  
05071835 H9OBE DAN > DM59 W W0MTK  
05111401 W9 > FM18 H KE4IAP  
05111500+W9 EM40, 50 > EM84 H4UK  
05181859 WB9WFB EN51 > DM59 50.173 W W0MTK  
05181918 H9EXT EN52 > DM59 50.173 W W0MTK  
05181928 WB9UAI EN62 > DM59 W W0MTK  
05190132 H9IMH/MOBILE > DM59 50.173 W W0MTK

## United States, W0

04271300+W0 KS <1430 > DM27 W W7GJ  
04271345 W0 KS, NE > DM62 H H5JHV  
04282000 W0 VY WNAK > DM12 50.125 H WA6TBO  
04291430 KGEF 2 ND PrairieTV 1086 T Oglethor  
04291438-KBOWCD & 1548- > DM59 W W0MTK  
05010243 K0LIC 105x EN36 50.125 H VE7SKA  
05010259 WB0LJC 105x EN34 50.135 S VE7SKA  
05020000+K0DOPY EN41 > EN92 AU 144. W WA3LTB  
05020000+W0HUB EN34 > EN92 AU 144. W WA3LTB  
05020345 KGEF 2 ND 1086 T Oglethor  
05020400 KUSD 2 SD W/KGEF 738 T Oglethor  
05020410 KTVU 4 IA 712 T Oglethor  
05020420 W0 SD & MN > EM21 WASJCI  
05022301 KOAA 5 CO "5/30" 940 T Kruska  
05041505 W0 DM69 > EN21 WASJCI  
05061720 H0YKR EM08 > DM04 50.125 W KE6IHA



05070230 WOMTK B K6QXY  
 05071714 WO DM79 W HI9E  
 05071740 KOETC EM27 > DM59 50.173 W WOMTK  
 05072230 W01PL DM76 > EM48 KOAE  
 05072345-WO EM58, EM48, EM66>DM79 KI0DE  
 05090158 W0KE VAIL CO W WB7QBS  
 05111305-WO EM08, 18, 28 KB8TEJ  
 05111447 WO 59 EM17 > FM18 KB4IAP  
 05111500-WO EM30 > EM84 W H4UK  
 05142010 KOETC 56 JOPLIN MO 50.173 W WOMTK  
 05150100 WO EM17, DM79 > DO31 W68TT  
 05181900 KB0AD DM57 > EM48 S KOAE/M  
 05181900-KB0 DM79 > EM48 S KOAE/M  
 05181953 W01PL DM76 > EM84 H4UK  
 05182024 WO MW EM34, 35>DM78 WO  
 05182030 WO CO DM70, 79, 59>EM62 WB9UAI  
 05190102 KOPJ EN35 > DM59 GREG W WOMTK  
 05190203 BOVDQ 50.125 H WOMTK  
 05190427 BOLL 599 > DM27 (MT) B W7GU  
 05200116 KOWLH EN34 > DM59 RALPH W WOMTK  
 05201732 BOYKR > EN81HM W KC8CSD

**Virgin Is.:** NA4I/KP2 will be operating from St. Croix, FK77, from June 12-18. Jimmy, W6JKV will be operating KP2 during the June contest +/- (June 13-15).

## Reports of Oceania

### AUSTRALIA GEN.

04260130 VK-TV 59+ > RE66 46.170 V EL3TIC  
 04272300 VK-TV WEAK 46.240 V EL3TIC  
 05150600-VK TV AURORA BS 46.240 V VK30T

### AUSTRALIA-VK7

04260130 VK7RAE 58 -0200 B EL3TIC

### HAWAIIAN IS.

04261510 KHON 2 HI Weak -1540 V EK1AA  
 04270610 KGMV 3 HI WAILUKU 61.25 V EK1AA  
 04270610 KHON 2 HI -0740 55.26 V EK1AA  
 05010848 KFVE 5 HI HONOLULU 77.25 V EK1AA  
 05010848 KGMV 3 HI WAILUKU 61.25 V EK1AA  
 05010848 KHBC 2 HI HILO 55.25 V EK1AA  
 05010848 KHON 2 HI -1218 55.26 V EK1AA  
 05010848 KITV 4 HI HONOLULU 67.24 V EK1AA  
 05012350 KH6HME 559 TROPO 144.17 B H6XQ  
 05021000 KHON 2 HI -1020 55.26 V EK1AA  
 05021145 KHON 2 HI -1205 55.26 V EK1AA  
 05060822 KHON 2 HI -1012 55.26 V EK1AA  
 05070822 KHON 2 HI -1222 55.26 V EK1AA  
 05070822-KH6 2 (HILO), 3, 4, 5 V EK1AA  
 05080700 KHON 2 HI -1150 CD 55.26 V EK1AA  
 05080700-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05100750 KHON 2 HI -0904 B EK1AA  
 05100750-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05110916 KHON 2 HI -1156 V EK1AA  
 05120620 KHON 2 HI -1110 V EK1AA  
 05120620-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05130820 KHON 2 HI -1146 B EK1AA  
 05130820-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05140831 KHON 2 HI WEAK -1031 V EK1AA  
 05150731 KHON 2 HI -1049 V EK1AA  
 05150731-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05161047 KHON 2 HI WEAK -1147 CD B EK1AA  
 05210710 KHON 2 HI -1150 CD V EK1AA  
 05210710-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05220933 KHON 2 HI -1133 WEAK V EK1AA  
 05220933-KH6 2 (HILO), 3, 4, 5 V EK1AA  
 05230933 KHON 2 HI -1145 CD V EK1AA  
 05240915 KHON 2 HI -1200 CD V EK1AA  
 05240915-KH6HME 2 (HILO), 3, 4, 5 V EK1AA  
 05260858 KHON 2 HI -1116 CD 55.26 V EK1AA  
 05260858 KITV 4 HI HONOLULU 67.24 V EK1AA  
 05260920 KGMV 3 HI WAILUKU 61.25 V EK1AA

### MinamiToriShima

05090914 JD1BIY 130° 59 50.110 S J99BHE  
 05092251 JD1BIY(QL64) Es 50.110 S JA1VOK  
 05100805 JD1BIY 50.110 H JA1VOK  
 05110820 JD1BIY 140 59 Minam 50.110 JA1RJU  
 05110826 JD1BIY 50.110 H JA1VOK  
 05120829 JD1BIY 155 MINAMI 50.109 JA3RGE  
 05170020 JD1BIY 50.110 S JA1VOK  
 05170048 JD1BIY 50.110 S JA3JTG  
 05200304 JD1BIY 140° & 0315 JA1RJU

### NEW ZEALAND

05150700 EL3TY AURORA -0800 EL3TY

### PHILLIPINES

04210849 DU7/WTET > PM95 50.080 W JS1MPX  
 05171053 DU1/JA3IKC > PL36 50.120 S JR6VSP  
 05171100 DU1/JA3IKC > PL36 50.120 S J76CCU  
 05180318 DU7/WTET > PM96 50.110 JH0HME  
 05180323 DU7/WTET 50.110 W JA1VOK  
 05180333 DU7/WTET 210° 579 50.105 C JA1RJU  
 05180338 DU7/WTET 50.105 W JA3JTG

## Reports of South America

### ARGENTINA

04172024 LU9EHF 52 BS -2050 50.016 B LW5EJU

### CURACAO Netherland Antilles

04110322 PJ2SIX 52 TE 50.004 B LW5EJU

### BRAZIL

04142055 PP2ROM S9+10 50.110 W LU2EGQ  
 04142100 PP2AU S9+10 50.110 W LU2EGQ  
 04171952 PU7AGQ 57 Es ALAGUMS 50.110 S LW5EJU

### VENEZUELA

04110100 YV4AB 51 TE 50.025 B LW5EJU  
 04170100 YV4AB 52 50.024 B LU2EGQ  
 04172021 YV4AB 57 F2 -2050 50.025 B LW5EJU  
 04180100 YV4AB 52 TE 50.025 B LW5EJU

## 3C0DX DXpedition Delayed

Three days before the DXpedition operators were to leave, Guinea's authorities announced that 11 of the 13 operators were denied visas. The U.R.E. has now rescheduled the DXpedition for October 11.

## W6JKV News

Jimmy will be operating from KP2 June 13-15, and from either J6, St. Lucia, or J7, Dominica, during the last week of June and first week of July.

## Beacon News

V73A: should be active on 50.037 in the near future. Tnx VK30T.

WB2CUS, EL98 is now QRT. #

FR5SIX on 50.0215 on Reunion Is. is no longer operational according to FR5DN.

VE9MS, FN65, Fredericton, NB, is now on 50.066 FSK thanks to a 1W rig made available by GJ4ICD and 55W amplifier donated by VE6XT to a stack of two full-wave horizontal loops at ~25°.

VE8BY in FP53, Iqualuit, Baffin Is. NWT is QRT, at least for now.

VE8?? a beacon for Yellowknife, NWT is being tested on a dummy load at the home of VE8WD.

VE1PZ beacon is still QRT with a chance for a return this summer.

CY9AA: (St. Paul Is.) will run a breakable beacon on 50.101 from June 26-July 3.

N7DB: is back on 50.067 for the summer from 1500-0500Z when the operator isn't working stations.

NN7K: the beacon that "chirps like a homesick chickadee is back, running 1 Watt, about 2 blocks from the Nugget Casino in Sparks, NV, this time to an old Squalo on the wooden roof of the railroad bldg. Frequency 50.073, reason for move, couldn't keep antenna up in 125 mph winds, got tired of them being blown into next state."

Z23JO: Dirk Geddes advises that even though the Z23JO beacon is presently off the air, it will no doubt taken over by

another ham and we will be notified by the Zim(babwe) Radio Society as to whom. They have now made this beacon the "Mal Geddes Memorial Beacon Station."

## QSL News

C6AIE: (WZ8D) John Walker, 1930 Meredith Dr., Loveland, OH 45140

YN6WFM: Hirofumi Nakamura, 1311 11 Miyahara Machi, Yatsushiro Gun, Kumamoto, 869 46, JAPAN

4L5A: via IK3HHX callbook address

4L5O: via TA7A callbook address

TA4/G3SDL: by bureau to G3SDL or direct to Dave Court, 9 Greenwood Close, Petts Wood, Kent, BR51QG, ENGLAND.

ZD7WRG: via WA2JUN.

RV6FS: Artur Baian, PO Box 73, Pyatigorsk 357500, RUSSIA

FR/DJ4VW: Dr. Helmet Waldner, Ringstr 8, D-57612 Kroppach, GERMANY.

## WSWSS 1997 Conference

The 1997 Western States Weak Signal Society Technical Conference will be held on Friday through Sunday, October 3 to 5, at the Montecito-Sequoia Lodge. The lodge is located in the Sequoia National Forest between Kings Canyon and Sequoia National Parks, 65 miles east of Fresno at 7500 feet, just minutes from Grant Grove & the famous Giant Sequoia Trees! For rates and reservations, call Montecito-Sequoia at (800) 227-9900. The Conference Technical Program will include the following presentations:

N1BWT--A Single-board Transverter for 5760 MHz (and Phase 3D)

NU8I--VHF amplifier design using Svetlana tubes

K6QXY--6m EME and large array engineering

W6JKV--VHF expedition travel log (dinner presentation)

K7XC--VHF Contesting and What It Takes To Win Regardless of Category.

W6GGV--Designing N-Way power dividers.

K6WR--Regulatory issues of interest to the weak signal enthusiast (Brad is the ARRL Pacific Division Director)

K6MYC--TBD

Conference pre-registration is \$15; or \$20 at the door. For more information visit [wsyss@contesting.com](mailto:wsyss@contesting.com).



## Spanish 6m Stations Awaiting Authorization

**Avelino Martin, EH8BPX**

Durante el pasado mes de Abril solo he escuchado dos señales en la banda de 50 MHz: (ZD8VHF señales muy débiles)

Tengo que comunicarle que la autorización para operar la banda de 50 MHz ha finalizado después de los dos años de vigencia para todos los "EH". Particularmente he cumplido con los requisitos que se pedían y he solicitado la renovación, en estos momentos estoy a la espera de recibir noticias de la administración.

Quiero reseñar parte de un artículo publicado en la revista RADIOAFICIONADOS publicación de la U.R.E. en el que se recogen una serie de conversaciones entre la U.R.E. y la administración encargada de las telecomunicaciones:

- Se espera una nueva resolución semejante a las dos anteriores con las siguientes mejoras:
- La licencia "EH" será por cinco años en vez de dos y será otorgada, como hasta ahora, a los usuarios de clase "A" que cumplan con las condiciones que se establezcan.
- No será necesario pedir ninguna prórroga en este periodo.
- No habrá limitaciones en el número de licencias.
- No estará cerrado el plazo de presentación de solicitudes, es decir, se podrá pedir licencia "EH" durante todo el periodo de vigencia de la resolución.
- Espero que si no todo por lo menos tengamos de nuevo licencia los que ya las tuvimos.

Un saludo.

{Your editor's loose translation}

During the past month of April, I have heard two signals in the 50 MHz band. (ZD8VHF April 6 & 8 very weak).

I have to communicate that the authorization to operate on the 50 MHz band has ended after two years of validity for all the "EH".

We have solicited a renewal, but at the present time we are awaiting news from the administration.

I want to review part of an article published in the magazine RADIOAFICIONADOS, a publication of U.R.E. in which are gathered a series of conversations between U.R.E. and the entrusted administration of the telecommunications:

We wish a new resolution similar to the two prior with following improvements:

- The "EH" license to be valid for five years rather than two and to be granted, as before, to class "A" licensees.
- Not to be necessary to ask for extensions in this period.
- No limit on the number of licensees.
- No limited period for presentation of requests, one could ask for "EH" license any time during the validity of the resolution.

I expect that if not all of the above, at least we will obtain the privileges of our past licenses.

Greetings. Avelino Martin San Nicolas

## ARRL Suggested File Format

I was having difficulty finding (in QST) the file format that we are supposed to use when submitting contest logs to ARRL on either disk or e-mail. I was pointed to <http://www.arrl.org/contests/fileformat.html>, but that doesn't do one without world-wide web access much good.

For those with e-mail capability only, you can obtain the information from the ARRL info server.

[Info@arrl.org](mailto:Info@arrl.org)

Leave subject blank. The message {for Sprints}

send sprints.rls {for rules}

send sprints.frm {for forms}

For those without either e-mail or www, a SASE to ARRL HQ, 225 Main St., Newington, CT 06111.

Here is the text from the Web site: ARRL Suggested Standard File Format for Submission of Contest Log Data

All files must be in standard ASCII format.

All files must be on an MS-DOS formatted disk, 3.5-inch (720-KB or 1.44-MB) or 5.25-inch (360-KB or 1.2-MB); uploaded to the ARRL BBS (860-594-0306); or sent via Internet ([contest@arrl.org](mailto:contest@arrl.org)).

The diskette label should clearly indicate the call sign used, contest name, entry class, and date of the contest.

The log data file name shall consist of the call sign and the extension ".LOG", as in, for example, KR1R.LOG

The log file must consist of one line of data per QSO (no more than 80 characters wide), without headers, footers, page breaks or other non-ASCII characters.

All QSO data must appear in each line, aligned by columns, and must include the following:

- \* band: wavelength for HF and frequency for VHF.

- \* mode: designator such as CW, PH, etc.

- \* date: in MM/DD/YY or DD/MM/YY format.

- \* time: 4-digit UTC without colons.

- \* call sign of station worked.

- \* complete exchange sent.

- \* complete exchange received.

- \* indication of multipliers: for example an asterisk (\*), section/prefix/zone, or etc.

- \* points claimed: ALL unclaimed QSOs must be "0" points.

Multipoint, two-transmitter category log in the ARRL International DX Contest must indicate which transmitter made which QSOs. In contests that require rest periods, the "times on" and "times off" must be in a separate column.

A paper summary sheet is required of all logs, either an official ARRL summary sheet or a close facsimile with a signed contest participation disclaimer. Entries uploaded to the ARRL BBS or sent via Internet should include a summary sheet file in lieu of a paper summary sheet.

All diskettes become the property of the ARRL and are not returnable.

73 ... Steve, WB8IMY  
QST Managing Editor

## Internet 6M DX Contest

Ken Ramirez, N4UK, announced a 6m-only contest to run concurrently with the CQ World-Wide VHF Contest July 12 1800Z to July 13 2359:59Z. Complete rules can be viewed at <http://www.uksmg.org/awards.htm>. Abbreviated rules follow:

Exchange--Callsign and Grid Square

Each QSO in your continent is worth 1 point, QSOs outside your continent count 3 points. For the purposes of this contest, USA/VE count as a separate continent; e.g. W/VE contacts to CO, KP4, etc. count 3 points.

Bonus--10 QSO points for every unique grid field worked.

-Multipliers are grid squares + each unique ARRL DXCC country including W/VE. (Count your own country for credit the first time it is worked).

Final score: Add QSO points plus bonus points and multiply the sum times the total of grids plus DXCC countries worked.

Send disks or paper logs to: Internet 6m DX contest, 2131 Woodruff Rd. 2100-250, Greenville, SC 29607 USA.



# 1997 50 MHz DX MARATHON LOG OF

## GRID

[illegible]

June 21 00Z - July 21 00Z. QSO points, 0 for < 4400 km; 3 for 4400 - 8800 km; 6 for > 8800 km.  
Total score = ( 1 + QSO points ) X # of **grid fields** (first two letters of grid square) (10° lat x 20°long).  
Post logs by August 10, 1997. Columns marked \* are optional, remainder are required.